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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the Application.

Listing of Claims:

1. (Currently Amended) An organic-based aluminizing composition, comprising aluminum flakes, an aluminum-based powder <u>particles</u>, at least one silicone resin; and at least one organic solvent selected from the group consisting of alcohols, glycols, ketones, aldehydes, aromatic compounds, dimethylformamide, mineral spirits; naphtha, nitrated hydrocarbons, chlorinated hydrocarbons, and mixtures of any of the foregoing.

- 3. (Original) The composition of claim 1, wherein the aluminum powder comprises substantially spherical powder particles.
- 4. (Original) The composition of claim 3, wherein the substantially spherical powder particles have an average particle size in the range of about 0.5 micron to about 200 microns.
- 5. (Original) The composition of claim 4, wherein the powder particles have an average particle size in the range of about 1 micron to about 50 microns.
 - 6. (Cancelled)
 - 7. (Canceled)
- 8. (Previously Presented) The composition of claim 41, wherein the epoxy resin comprises bisphenol A.

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- 9. (Previously Presented) The composition of claim 1, wherein the silicone resin comprises a modified or unmodified silicone varnish.
- 10. (Previously Presented) The composition of claim 1, wherein the silicone resin comprises at least one organopolysiloxane.
- 11. (Previously Presented) The composition of claim 1, wherein the silicone resin comprises a silicone alkyd, a silicone epoxy, or a silicone polyester.

12. (Cancelled)

13. (Previously Presented) The composition of claim 1, wherein the amount of aluminum in the composition is in the range of about 0.5% by weight to about 45% by weight.

14. (Cancelled)

- 15. (Original) The composition of claim 1, wherein the aluminum-based powder further comprises at least one metal selected from the group consisting of platinum group metals, rare earth metals, scandium, yttrium, iron, chromium, and cobalt.
- 16. (Original) The composition of claim 1, substantially free of hexavalent chromium.
- 17. (Original) The composition of claim 1, containing less than about 10% by weight of phosphoric acid and phosphoric acid derivatives, based on the weight of the entire composition.

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- 19. (Original) The composition of claim 1, further comprising at least one material selected from the group consisting of pigments, diluents, curing agents, deflocculants, dispersants, anti-settling agents, surfactants, anti-foam agents, driers, extenders, and lubricants.
- 20. (Previously Presented) An organic-based aluminizing composition for providing aluminum to the surface region of a turbine component formed from a material comprising a nickel-based superalloy, wherein the composition is substantially free of hexavalent chromium, and comprises aluminum flakes, an aluminum-based powder, at least one silicone resin; and at least one organic solvent selected from the group consisting of alcohols, glycols, ketones, aldehydes, aromatic compounds, dimethylformamide, mineral spirits; naphtha, nitrated hydrocarbons, chlorinated hydrocarbons, and mixtures of any of the foregoing.
- 21. (Previously Presented) The aluminizing composition of claim 20, wherein the aluminum powder comprises substantially spherical powder particles having an average particle size in the range of about 1 micron to about 50 microns.

Claims 22-32 (Cancelled)

Claims 33-36 (Cancelled)

37. (Previously Presented) A metal substrate, having an organic-based aluminizing composition disposed on its surface, said composition being substantially free of hexavalent chromium, and comprising aluminum flakes, an aluminum-based powder, at least one silicone resin, and at least one organic solvent selected from the group consisting of alcohols, glycols, ketones, aldehydes, aromatic compounds, dimethylformamide, mineral spirits; naphtha, nitrated hydrocarbons, chlorinated hydrocarbons, and mixtures of any of the foregoing.

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39. (Original) The metal substrate of claim 37, in the form of a turbine engine component which comprises a nickel-based superalloy.

- 41. (Previously Presented) An organic-based aluminizing composition, comprising an aluminum-based powder and at least one epoxy resin, wherein the powder comprises an alloy of aluminum and silicon.
- 42. (Previously Presented) A metal substrate, having the aluminizing composition of claim 41 disposed on at least a portion of its surface.
- 43. (Previously Presented) The metal substrate of claim 42, in the form of a turbine engine component.
- 44. (Previously Presented) The composition of claim 1, wherein the aluminum-based powder comprises an alloy of aluminum and silicon.